2019 NINR Boot Camp
Precision Health: Smart Technologies, Smart Health

Monday, July 15, 2019
Unboxing Digital Health

Time:	Topics:	Presenter:
8:00–8:30 am	Meet, Greet, Coffee	
8:30–8:45 am	Welcome & Program Overview	Pamela Tamez, PhD Training Director, National Institute of Nursing Research
8:45 – 9:30 am	Precision Health and NINR-Supported Nursing Science	Ann Cashion, PhD, RN, FAAN Acting Director and Scientific Director, National Institute of Nursing Research
9:30–10:00 am	BREAK	Group picture with NINR Director Dr. Ann Cashion
10:00-10:30am	Introduction to the NINR Division of Extramural Science Programs	TBD
10:30-11:00 am	Introduction to the NINR Division of Intramural Research	Jessica M. Gill, PhD, RN, FAAN Deputy Scientific Director, Division of Intramural Research, National Institute of Nursing Research
11:00-12:30 pm	LUNCH and Posters in NIH Clinical Center, building 10, FAES Terrace	
12:30–1:15	Molecular biomarkers	Jessica M. Gill, PhD, RN, FAAN Deputy Scientific Director, Division of Intramural Research, National Institute of Nursing Research
1:15 – 2:00	Digital biomarkers	Ruth Masterson Creber, PhD, MSc, RN Assistant Professor of Healthcare Policy and Research, Weill Cornell Medical College
2:00 – 2:15	Biosensors	Lichen Xiang, PhD Research Fellow NINR
2:15 – 2:30 pm	BREAK	
2:30 – 3:45 pm	The NIH All of Us program • Overview • Research with All of Us • Distributive justice, diversity, and inclusion in precision medicine	Michelle Hamlet, PhD, Program Director, National Institute of Nursing Research Kelly Gebo, MD, MPH, All of Us Research Program, NIH Elizabeth Cohn, PhD, RN, FAAN, Rudin Professor of Nursing, Hunter-Bellevue School of Nursing
3:45 – 5:00 pm	Poster session at FAES Terrace	

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Tuesday July 16, 2019
Connecting Health through Wearables and Sensors

Time:	Topics:	Presenter:
8:00 – 8:30 am	Coffee & Networking	
8:30–9:15 am	Virtual reality and its use in the clinical setting	Susan Persky, PhD, Associate Investigator, Social and Behavioral Research Branch; Head, Immersive Virtual Environment Test Unit, NHGRI
9:15-10:00 am	Skin-like wireless wearable biosensors	John Rogers, PhD Louis Simpson and Kimberly Querrey Professor of Materials Science and Engineering, Biomedical Engineering and Neurological Surgery, Northwestern University
10:00 –10:45 am	mHealth and nursing	Ryan Shaw, PhD, RN Elizabeth C. Clipp Term Chair of Nursing, Duke University
10:45 – 11:00 am	BREAK	
11:00-11:45 am	'Smart home' tools for patients with chronic conditions	Roschelle Fritz, PhD, RN Assistant Professor, Washington State University College of Nursing – Vancouver
11:45 – 12:30 pm	EMR-Linked biobank for translational genomics	Marc S. Williams, MD, Director, Genomic Medicine Institute, Geisinger
12:30-1:30 pm	LUNCH	
1:30 – 3:00 pm	Breakout Session 1: 1. VR demo 2. Mhealth demo 3. Sensor data analysis	1. Dr. Susan Persky 2. Dr. Ryan Shaw 3. Dr. Shelly Fritz
3:00 – 3:15 pm	BREAK	
3:15 – 4:45 pm	Breakout Session 2: 1. VR demo 2. Mhealth demo 3. Sensor data analysis	1. Dr. Susan Persky 2. Dr. Ryan Shaw 3. Dr. Shelly Fritz

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Wednesday July 17, 2019
Innovating Health through Omics

Time:	Topics:	Presenter:
8:00 – 8:30 am	Coffee & Networking	
8:30–9:15 am	Genomics, epigenetics of hypertension	Jackie Taylor, PhD, RN, PNP-BC, FAHA, FAAN Associate Professor, Vernice D. Ferguson Chair in Health Equity, NYU
9:15-10:00 am	Genomics informing clinical practice: ApoL1 and kidney transplants in African Americans	Marva Moxey-Mims, MD Chief, Division of Nephrology Children's National, Washington DC
10:00 –10:45 am	Pharmacogenomics	Dennis Cheek, RN, PhD Abell-Hanger Professor of Gerontological Nursing, Texas Christian University
10:45 – 11:00	BREAK	
11:00–11:45 am	Microbiome and preterm birth	Elizabeth Corwin, RN, PhD Associate Dean for Research, Emory University School of Nursing Anne Dunlop, MD, MPH Assistant Professor, Department of Family and Preventive Medicine, Emory School of Medicine
11:45 – 12:45	LUNCH	
12:45-1:30 pm	Novel biomarkers to inform treatment strategies for recurrent abdominal pain in children	Robert J. Shulman, MD Professor, Pediatrics-Nutrition, Baylor College of Medicine
1:30 – 2:15 pm	Risks of identifiability in genomics research	Gail Javitt, JD, MPH Health Care and Life Sciences practice, Epstein Becker & Green, PC
2:15 – 3:00 pm	Panel discussion with speakers	
3:00 – 3:15 pm	BREAK	
3:15 – 4:30 pm		Roundtable discussion with NIH Program Officers

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Thursday July 18, 2019
Sync or Swim: Accessing and Managing Data

Time:	Topics:	Presenter:
8:00 – 8:30 am	Coffee & Networking	
8:30–9:30 am	NIH Data Commons and the FAIR principles	Lisa Federer, MLIS, AHIP Data Science and Open Science Librarian National Library of Medicine, NIH
9:30 –10:30 am	Introduction to NHANES data	Tala Fakhouri, PhD, MPH Senior Epidemiologist, National Health and Nutrition Examination Survey (NHANES), Centers for Disease Control and Prevention
10:30 – 10:45 am	BREAK	
10:45–11:45 am	Analyzing VA data	Clara (Libby) Dismuke, PhD Asst. Professor, Dept. of Medicine Medical Univ of South Carolina
11:45 am-12:45 pm	Biomedical Informatics	Yuriy Gusev, PhD Georgetown Innovation Center for Biomedical Informatics (ICBI), Georgetown University
12:45 – 1:45 pm	LUNCH	
1:45 – 3:15 pm	Breakout Session 1: 1. Data Science: NHANES data 2. Introduction to Clinical Genomics	1. Dr. Tala Fakhouri 2. Dr. Clara (Libby) Dismuke
3:15 – 3:30 pm	BREAK	
3:30 – 5:00 pm	Breakout Session 2: 1. Data Science: NHANES data 2. Introduction to Clinical Genomics	1. Jody McLean 2. Dr. Yuriy Gusev